

WHAT IS CLAIMED IS:

1. An internal combustion driven setting tool for driving fastener elements comprising one of nails, bolts, and pins into a substrate having a fuel source (11) with a fuel feed line (12) from the fuel source (11) to a combustion chamber (13) and having at least one dosing device (30) arranged between the fuel source (11) and the combustion chamber (13), wherein the dosing device (3) comprises a displacement body (50, 51) arranged in a chamber for forcing fuel out of the chamber (31), and wherein the displacement body (50, 51) has displacement volume that is adjustable.

2. The setting tool of claim 1, wherein the displacement volume of the displacement body (50, 51) is adjustable via a control device (20).

3. The setting tool of claim 1, wherein the displacement volume of the displacement body (50, 51) is adjustable using a manually operated setting means (52).

4. The setting tool of claim 1, further comprising sensor means for acquiring at least one of device and ambient parameters and for forwarding the acquired data to the control device (20), wherein, in the control device (20), the displacement volume of the displacement body (50, 51) is pre-adjusted as a factor of the acquired parameters.

5. The setting tool of claim 4, wherein the sensor means comprises sensors (21, 22) for acquiring the air pressure and the temperature of the ambient air and the combustion chamber temperature.

6. The setting tool of claim 1, wherein the chamber (31) has an inlet (32) and an outlet (33) and wherein valves (34, 35) are arranged at the inlet (32) and the outlet (33) of the chamber (31) that make fuel transport possible only in the direction (26) towards the combustion chamber.

7. The setting tool of claim 1, wherein the displacement body (5) is a piston that is displaceable guided in the chamber (31) and includes a piston stroke that defines the displacement volume.

8. The setting tool of claim 1, wherein the displacement body (51) is a membrane that closes an opening (36) to the chamber media - tight and is moveable into the chamber (31) and wherein a membrane stroke defines the displacement volume.

9. The setting tool of claim 1, wherein the displacement body (50, 51) is actuated using an electrical actor (55).

10. The setting tool of claim 1, wherein the displacement body (50) can be mechanically actuated using an actuation means (24) and can be shifted into a fuel expression movement.

11. The setting tool of claim 1, wherein the displacement body (50, 51) is excited using the control device (20) and can be shifted in a fuel expression movement.